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ExamWise
For
Microsoft Windows 2000 Professional
Exam 70-210
Installing, Configuring, and Administering Microsoft
Windows 2000 Professional



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The objective of this chapter is to provide the reader with an understanding of the following:

1. Perform an attended installation of Windows 2000 Professional.
2. Perform an unattended installation of Windows 2000 Professional.
3. Install Windows 2000 Professional by using Windows 2000 Server Remote Installation Services (RIS).
4. Install Windows 2000 Professional by using the System Preparation Tool.
5. Create unattended answer files by using Setup Manager to automate the installation of Windows 2000 Professional.
6. Upgrade from a previous version of Windows to Windows 2000 Professional.
7. Apply update packs to installed software applications.
8. Prepare a computer to meet upgrade requirements.
9. Deploy service packs.
10. Troubleshoot failed installations.



Chapter 1: Installing Windows 2000 Professional

1. Which of the following are valid Windows 2000 Professional hardware requirements?
 - A. 2 GB hard disk with 650 MB of free space
 - B. Pentium 133 MHz or higher
 - C. 3 GB hard disk with 1.6GB of free hard drive space
 - D. 32 MB of RAM is the minimum supported
 - E. 64 MB of RAM recommended minimum.



2 Chapter 1

1. Which of the following are valid Windows 2000 Professional hardware requirements?

***A. 2 GB hard disk with 650 MB of free space**

***B. Pentium 133 MHz or higher**

C. 3 GB hard disk with 1.6GB of free hard drive space

***D. 32 MB of RAM is the minimum supported**

***E. 64 MB of RAM recommended minimum.**

Explanation: Study Session 2 Windows 2000 Professional will require 64MB of RAM, a Pentium 133MHz or higher, a 2GB hard disk with at least 650MB of free hard drive space, a network adapter, and a video display adapter and monitor capable of VGA or better.

"Before you install Windows 2000, make sure your computer meets the following minimum hardware requirements:

133 MHz Pentium or higher microprocessor (or equivalent). Windows 2000 Professional supports up to two processors on a single computer.

64 megabytes (MB) of RAM recommended minimum.

32 MB of RAM is the minimum supported. 4 gigabytes (GB) of RAM is the maximum.

A 2 GB hard disk with 650 MB of free space.

If you're installing over a network, more free hard disk space is required.

VGA or higher resolution monitor.

Keyboard.

Microsoft Mouse or compatible pointing device (optional).

For CD-ROM installation:

\\\\\\\\

A CD-ROM or DVD drive.

High-density 3.5-inch disk drive, unless your CD-ROM drive is bootable and supports starting the Setup program from a CD.

For network installation:

Windows 2000-compatible network adapter card and related cable (see the Hardware Compatibility List, Hcl.txt, in the Support folder on the Windows 2000 Professional CD).

Access to the network share that contains the Setup files. "



2. When installing Windows 2000 Professional, what new features make it easier to install?

(Choose Three)

- A. Plug-and-Play support
- B. Windows Driver Model
- C. Automatic Driver Update
- D. Add/Remove Hardware Wizard
- E. Automatic Service Pack Upgrader



4 Chapter 1

2. When installing Windows 2000 Professional, what new features make it easier to install?

(Choose Three)

***A. Plug-and-Play support**

***B. Windows Driver Model**

C. Automatic Driver Update

***D. Add/Remove Hardware Wizard**

E. Automatic Service Pack Upgrader

Explanation: Plug-and-Play support is included to increase the number of devices that Windows 2000 will work with. Many newer devices support only Plug-and-Play mode, were not available to Windows NT 4.0, but can now be available to Windows 2000.

WDM (Windows Driver Model) is included to allow drivers written for Windows 98 to be used in a Windows 2000 environment. Most likely, a driver written for Windows NT 4.0 will not work in Windows 2000, but a driver written for Windows 98 most likely will work.

The Add/Remove Hardware Wizard is used to have the system attempt to detect a device that was recently added to the machine.



3. Which statement accurately describes the licensing modes for Windows 2000 Advanced Server?
- A. The licensing mode can be converted from Per Seat to Per Server, but not from Per Server to Per Seat.
 - B. The licensing mode can be converted from Per Server to Per Seat, but not from Per Seat to Per Server.
 - C. The Per Server licensing mode in Windows 2000 Advanced Server cannot be converted to Per Seat.
-

4. What are three characteristics of a domain in Windows 2000?
- A. Each computer has its own database called the SAM database, through which access to resources on any computer in the workgroup can be controlled.
 - B. A user only needs one account in Active Directory to be allowed access to resources throughout the domain.
 - C. Domains are scalable and can easily handle thousands of computers.
 - D. There is only one database called the Active Directory directory service that is used to control authentication and access to resources.
 - E. There are ten or fewer computers.



6 Chapter 1

3. Which statement accurately describes the licensing modes for Windows 2000 Advanced Server?

A. The licensing mode can be converted from Per Seat to Per Server, but not from Per Server to Per Seat.

***B. The licensing mode can be converted from Per Server to Per Seat, but not from Per Seat to Per Server.**

C. The Per Server licensing mode in Windows 2000 Advanced Server cannot be converted to Per Seat.

Explanation: As was true in Windows NT 4.0, there is a one-time opportunity to convert the licensing mode of Windows 2000 Advanced Server, but only from Per Server to Per Seat. Licensing cannot be converted from Per Seat to Per Server, so Microsoft recommends that the Per Server mode be selected if there is any uncertainty. In addition, each client computer requires a Client Access License (CAL) to connect to the Windows 2000 Advanced Server and stay within licensing requirements from Microsoft.

4. What are three characteristics of a domain in Windows 2000?

A. Each computer has its own database called the SAM database, through which access to resources on any computer in the workgroup can be controlled.

***B. A user only needs one account in Active Directory to be allowed access to resources throughout the domain.**

***C. Domains are scalable and can easily handle thousands of computers.**

***D. There is only one database called the Active Directory directory service that is used to control authentication and access to resources.**

E. There are ten or fewer computers.

Explanation: Workgroup networking is only suitable for a small number of computers, since each computer maintains a separate SAM database for administration, greatly increasing the complexity of controlling access to resources and maintaining security. Domain networking uses a centralized database, called the Active Directory directory service, to control authentication of users, define who has access to resources and greatly streamline administration. Domains scale easily to thousands of computers, and while a user needs a separate account on each computer in a workgroup, a user only needs a single account in a domain to authenticate and access resources.



5. You are a Project Consultant working for ZRF Consulting Inc. You have been assigned to plan the migration efforts of a client that has a mix of different operating systems and hardware platforms. The desktop operating systems include Unix, Windows 3.x, Windows 95/98, Windows NT 3.51, and Windows NT 4.0 Workstations.

You have already determined all hardware available is sufficient to install Windows 2000 Professional. You also need to ensure that the pre-installed applications will continue to operate correctly upon completion of the client upgrades.

Below are listed potential migration paths for each of the aforementioned desktop operating systems. Which of the following client-upgrade paths are possible?

- A. Unix: Use either a CD-based or network-based installation using WINNT.EXE to upgrade directly to Windows 2000 Professional.
- B. Windows 3.x: Use either a CD-based or network-based installation using WINNT.EXE to upgrade directly to Windows 2000 Professional.
- C. Windows 95/98: Use either a CD-based or network-based installation using WINNT32.EXE to upgrade directly to Windows 2000 Professional.
- D. Windows NT 3.51: Use either a CD-based or network-based installation using WINNT32.EXE to upgrade to Windows NT 4.0, then use the Windows 2000 Professional version of WINNT32.EXE to upgrade to Windows 2000 Professional.
- E. Windows NT 4.0: Use either a CD based or network based installation using WINNT32.EXE to upgrade directly to Windows 2000 Professional.



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5. You are a Project Consultant working for ZRF Consulting Inc. You have been assigned to plan the migration efforts of a client that has a mix of different operating systems and hardware platforms. The desktop operating systems include Unix, Windows 3.x, Windows 95/98, Windows NT 3.51, and Windows NT 4.0 Workstations.

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- *C. Windows 95/98: Use either a CD-based or network-based installation using WINNT32.EXE to upgrade directly to Windows 2000 Professional.**
- *D. Windows NT 3.51: Use either a CD-based or network-based installation using WINNT32.EXE to upgrade to Windows NT 4.0, then use the Windows 2000 Professional version of WINNT32.EXE to upgrade to Windows 2000 Professional.**
- *E. Windows NT 4.0: Use either a CD based or network based installation using WINNT32.EXE to upgrade directly to Windows 2000 Professional.**

Explanation: For answer " Unix: Use either a CD-based or network-based installation using WINNT.EXE to upgrade directly to Windows 2000 Professional."

there is no migration/upgrade path from Unix to Windows 2000 Professional. You would have to reformat the machine and start over from scratch.

For answer "Windows 3.x: Use either a CD-based or network-based installation using WINNT.EXE to upgrade directly to Windows 2000 Professional." in order to migrate Windows 3.x to Windows 2000 Professional, you would need first need to upgrade the machine to Windows 95/98, then upgrade to Windows 2000 Professional.

For answer "Windows NT 3.51: Use either a CD-based or network-based installation using WINNT32.EXE to upgrade to Windows NT 4.0, then use the Windows 2000 Professional version of WINNT32.EXE to upgrade to Windows 2000 Professional."

although this upgrade path is possible, you are actually able to migrate directly from Windows NT 3.51 to Windows 2000 Professional. No intermediate migration/upgrade from Windows NT 3.51 to Windows NT 4.0 is required.



6. What command would you use to install Windows 2000 Professional onto the D: drive of a system with a 4GB C: drive and a 2GB D:?

- A. winnt /t:d
- B. winnt32 /s:d
- C. winnt /s:d
- D. winnt32 /a:d
- E. winnt /e:d



10 Chapter 1

6. What command would you use to install Windows 2000 Professional onto the D: drive of a system with a 4GB C: drive and a 2GB D:?

*A. **winnt /t:d**

B. winnt32 /s:d

C. winnt /s:d

D. winnt32 /a:d

E. winnt /e:d

Explanation: Either the winnt.exe or winnt32.exe could be used for the setup; it would just depend on the configuration of the system. The /t option allows you to select the partition on which to put the temporary files and then the systems files.



7. Which of the following are valid uses of the Setup Manager?

(Choose 3)

- A. RAS Scripts
 - B. Unattend.txt files
 - C. RIS scripts
 - D. Sysprep Installation scripts
 - E. Winnt.inf files
-

8. You are preparing to install Remote Installation Services to help automate the installation of 500 Windows 2000 Professional machines. What are the services that must be configured prior to the installation of Remote Installation Services?

- A. WINS Server
- B. DNS Server
- C. A shared, NTFS-formatted volume
- D. Active Directory Server
- E. DHCP Server



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7. Which of the following are valid uses of the Setup Manager?

(Choose 3)

- A. RAS Scripts
- *B. Unattend.txt files**
- *C. RIS scripts**
- *D. Sysprep Installation scripts**
- E. Winnt.inf files

Explanation: The Setup Manager is included with the Resource Kit for Windows 2000; it is used to create the answer files for unattended installation of Windows 2000. It can also be used to create the Sysprep Installation scripts, as well as RIS scripts.

8. You are preparing to install Remote Installation Services to help automate the installation of 500 Windows 2000 Professional machines. What are the services that must be configured prior to the installation of Remote Installation Services?

- A. WINS Server
- *B. DNS Server**
- C. A shared, NTFS-formatted volume
- *D. Active Directory Server**
- *E. DHCP Server**

Explanation: There are a number of required services that are used by a RIS server to help automate rollouts on your Windows network. An Active Directory Server, a DHCP Server and a DNS server are all required in order to fully implement RIS.



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